

SANDHILL CRANE HARVEST AND HUNTER ACTIVITY IN THE CENTRAL FLYWAY DURING THE 2004-2005 HUNTING SEASON

July 2005



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ABSTRACT: A mail questionnaire survey was conducted in nine Central Flyway States to monitor the harvest of Sandhill Cranes (*Grus canadensis*) during the 2004-2005 hunting season. Permits were issued to 66,917 hunters and an estimated 9,171 individuals (13.7%) actively hunted Sandhill Cranes. About 46% of these active hunters were successful in bagging one or more cranes, with an estimated harvest of 14,456 birds. Reports indicated an additional 1,271 birds were downed but lost for a total kill estimate of 15,817, down 21% from the previous season.

This report should be cited as: U.S. Fish and Wildlife Service, 2005. Sandhill Crane harvest and hunter activity in the Central Flyway during the 2004-2005 hunting season. U.S. Department of the Interior, Washington, D.C. U.S.A.

The primary purpose of this report is to facilitate the prompt distribution of timely information. Results are preliminary and may change with the inclusion of additional data.

All Division of Migratory Bird Management reports will be available on our home page (<http://migratorybirds.fws.gov>).

RESULTS

INTRODUCTION

The 2004-05 hunting season was the 30th for which a Federal permit or similar registration has been required for hunting cranes during the regular Sandhill Crane season in the Central Flyway. About 16% of the permit holders were contacted by questionnaire and asked to report their hunting activity and success. This report gives results of this survey and includes a long-term summary of previous survey estimates since 1975. Details of data collection and analysis are given in Division of Migratory Bird Management Administrative Report "Sandhill Crane Harvest and Hunter Activity in the Central Flyway during the 1975-76 Hunting Season" (9 July 1976) with occasional refinements outlined in annual updates. After several years of comparison, as summarized in last year's report (DMBM Administrative Report "Sandhill Crane Harvest and Hunter Activity in the Central Flyway during the 2003-2004 Hunting Season" (August 2004), we switched entirely from a card form to a letter-type questionnaire similar to that used in our Harvest Information Program (HIP) surveys. Up to two follow-up questionnaires were mailed to nonrespondents. The HIP conducts a similar survey of crane hunting in Alaska (see U.S. Fish and Wildlife Service. 2005. Migratory bird harvest information, 2004: preliminary estimates. U.S. Department of the Interior, Washington, D.C.).

Several years ago when first Texas and then Colorado changed their permit issuing systems, many hunters in both states who never hunt cranes unknowingly became classed as crane hunters, a result of the way these systems were designed and used. Questionnaire response rates from such hunters have been found to be below those of hunters who plan to hunt cranes, and adjustment factors based on these differences were calculated and used on the state level estimates those years. Initial indications from the HIP surveys are that response rates have increased in a manner that may have corrected this problem, so no adjustments have been made this season pending examination of additional information from future surveys.

A total of 66,917 "permits" was issued (14% more than in 2003), and almost 14% of those obtaining permits hunted cranes (10% more than the previous year; Table 1). Crane hunting activity (days hunted) increased 28% from 2003 levels while total success (cranes bagged) decreased 21%. Overall, those permittees hunting one or more days (active hunters) averaged 3.48 days afield with an average seasonal bag of 1.59 cranes (Table 2). About 46% were successful in bagging one or more cranes. The total estimated retrieved crane kill was 14,546 while unretrieved kill was 1,271 for a total of 15,817 birds killed, 21% less than last year. Comparisons with last year appear in Table 1. Tables 2A through 2I list the 2004-05 estimates for each county hunted as reported by respondents together with state totals. Generally, if a respondent hunted in more than one county, the hunting activity and harvest were assigned to the county with the most harvest or, if the harvest was equal, to the county in which the most hunting-days occurred. The new survey form more efficiently eliminates out-of-state hunting so such hunting is no longer shown in these tables. Selected figures are summarized by season since 1975 in Table 3.

ACKNOWLEDGEMENTS

Major contributors to this project were Survey Clerks Pam Mathias and Ellen Griffin; Mail Clerk Joe Duncan; Computer Specialist Sheri Williams, Secretary Susane Finucane, and personnel of the USGS's Bird Banding Laboratory (especially Frances Hicks) and temporary employee Fred Fiehrer. Appreciation is also extended to State wildlife conservation agency personnel in the crane hunting states. Contributing much to planning and conducting the crane seasons in their respective states, including monitoring the details of permit issuance and record keeping were:

Lyn Stevens, Colorado Division of Wildlife; Karen Beard and Rosann Holmes, Kansas Dept. of Wildlife & Parks; Rick Northrup, Montana Dept. of Fish, Wildlife & Parks; Tim Mitchusson, New Mexico Dept. of Game & Fish; Mike Szymanski, North Dakota Game & Fish Dept.; Mike Liddiard, Oklahoma Department of Wildlife Conservation; Sandra Hoerner, South Dakota Game, Fish & Parks Dept.; Jay Roberson, Texas Parks & Wildlife Dept.; Jean Cole and Tom Rowe, Wyoming Game & Fish. Dept.

Table 1. NUMBERS OF SANDHILL CRANE PERMITS ISSUED, ACTIVE AND SUCCESSFUL HUNTERS, AND CRANES BAGGED AND LOST DURING THE 2003-04 AND 2004-05 SEASONS.

| | | COLORADO KANSAS | MONTANA | NEW MEXICO | NORTH DAKOTA OKLAHOMA | SOUTH DAKOTA TEXAS | WYOMING | COMBINED |
|-----------------------|---------|--------------------|---------|------------|--------------------------|-----------------------|-----------|-----------|
| PERMITS ISSUED | 2003-04 | 5,854 * 1,206 | 273 | 471 | 6,030 1,000 | 563 43,199 * | 50 58,646 | |
| | 2004-05 | 5,784 * 1,180 | 308 | 548 | 5,788 780 | 307 52,161 * | 61 66,917 | |
| | % ch. | -1% -2% | 13% | 16% | -4% -22% | -45% 21% | 22% 22% | 14% 10% |
| ACTIVE HUNTERS | 2003-04 | 236 | 495 | 60 | 244 2,271 | 64 114 | 4,821 10 | 8,315 |
| | 2004-05 | 315 | 539 | 93 | 252 2,491 | 265 79 | 5,121 16 | 9,171 |
| | % ch. | 33% 9% | 55% | 3% | 10% 314% | -31% 6% | 60% 60% | |
| SUCCESSFUL HUNTERS | 2003-04 | 79 | 304 | 21 | 158 1,218 | 39 59 | 2,783 4 | 4,665 |
| | 2004-05 | 50 | 227 | 18 | 120 1,030 | 120 26 | 2,614 4 | 4,209 |
| | % ch. | -37% -25% | -25% | -14% | -24% -15% | 208% 208% | -56% -6% | 0% -10% |
| DAYS HUNTED | 2003-04 | 602 | 1,328 | 134 | 611 7,050 | 170 246 | 14,668 38 | 24,847 |
| | 2004-05 | 1,464 | 2,218 | 303 | 833 9,642 | 754 272 | 16,389 34 | 31,909 |
| | % ch. | 143% 67% | 67% | 126% | 36% 37% | 344% 344% | 11% 12% | 28% 28% |
| CRANES BAGGED | 2003-04 | 230 | 942 | 49 | 617 4,564 | 200 166 | 11,560 7 | 18,335 |
| | 2004-05 | 92 | 856 | 54 | 350 3,967 | 441 67 | 8,715 4 | 14,546 |
| | % ch. | -60% -9% | -9% | 10% | -43% -13% | 121% 121% | -60% -25% | -43% -21% |
| CRANES LOST | 2003-04 | 11 | 91 | 0 | 132 377 | 6 22 | 988 1 | 1,628 |
| | 2004-05 | 14 | 59 | 1 | 42 406 | 46 17 | 686 0 | 1,271 |
| | % ch. | 27% -35% | -35% | ++ | -68% 8% | 667% 667% | -23% -31% | ++ -22% |

* Colorado and Texas used permit issuing systems for identifying crane hunters these seasons which greatly increased the numbers of hunters eligible to hunt cranes there. See discussion in text.

TABLE 2A. SANDHILL CRANE HARVEST AND HUNTER ACTIVITY IN COLORADO DURING THE 2004-05 HUNTING SEASON.

| GENERAL INFORMATION | COUNTY OF HARVEST | ACTIVE HUNTERS | | | ACTIVE HUNTER MEANS | | | EXPANDED ESTIMATES | | | ACTIVE HUNTER DISTRIBUTION BY SEASONAL BAG SIZE | | | | |
|---------------------|-------------------|----------------|------------|--------|---------------------|----------------|--------------|--------------------|-------|-------|---|------|------|-----|-----|
| | | RESPOND -ING | EXPAND -ED | AFIELD | CRANE BAG LOSS | CRANE BAG LOSS | HUNTER -DAYS | CRANE BAG LOSS | KILL | 0 | 1-3 | 4-9 | 10+ | | |
| # OF PERMITS | 5,784 | UNKNOWN | 27 | 194 | 6.037 | 0.259 | 0.074 | 1,171 | 50 | 14 | 64 | 85.2 | 14.8 | 0.0 | 0.0 |
| # CONTACTED | 1,068 | CROMLEY | 1 | 7 | 2.000 | 0.000 | 0.000 | 14 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| # RESPONDING | 807 | KIOWA | 1 | 7 | 3.000 | 0.000 | 0.000 | 21 | 21 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| % RESPONDING | 75.6 | LARIMER | 2 | 14 | 5.000 | 0.000 | 0.000 | 70 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| % ACTIVE | 5.45 | LAS ANIMAS | 1 | 7 | 1.000 | 0.000 | 0.000 | 7 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ADJ. % ACTIVE | | LOGAN | 3 | 22 | 2.667 | 0.000 | 0.000 | 59 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| MORGAN | 4 | | 29 | 2.750 | 0.000 | 0.000 | 80 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| PHILLIPS | 1 | | 7 | 2.000 | 0.000 | 0.000 | 14 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| POWERES | 1 | | 7 | 1.000 | 0.000 | 0.000 | 7 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| SEIGNICK | 2 | | 14 | 1.000 | 1.000 | 0.000 | 14 | 14 | 50.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| WELD | 1 | | 7 | 1.000 | 1.000 | 0.000 | 7 | 7 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| STATE TOTALS | 44 | | 315 | 4.648 | 0.292 | 0.044 | 1,464 | 92 | 14 | 106 | 84.1 | 15.9 | 0.0 | 0.0 | |

TABLE 2B. SANDHILL CRANE HARVEST AND HUNTER ACTIVITY IN KANSAS DURING THE 2004-05 HUNTING SEASON.

| GENERAL INFORMATION | COUNTY OF HARVEST | ACTIVE HUNTERS | | | ACTIVE HUNTER MEANS | | | EXPANDED ESTIMATES | | | ACTIVE HUNTER DISTRIBUTION BY SEASONAL BAG SIZE | | | | |
|---------------------|-------------------|----------------|------------|--------|---------------------|----------------|--------------|--------------------|-------|------|---|------|------|-----|-----|
| | | RESPOND -ING | EXPAND -ED | AFIELD | CRANE BAG LOSS | CRANE BAG LOSS | HUNTER -DAYS | CRANE BAG LOSS | KILL | 0 | 1-3 | 4-9 | 10+ | | |
| # OF PERMITS | 1,180 | UNKNOWN | 68 | 186 | 4.647 | 1.382 | 0.086 | 864 | 257 | 16 | 273 | 66.2 | 29.4 | 1.5 | 2.9 |
| # CONTACTED | 572 | ATCHISON | 1 | 3 | 2.000 | 6.000 | 0.000 | 6 | 18 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| # RESPONDING | 431 | BARBER | 1 | 3 | 2.000 | 1.000 | 0.000 | 6 | 3 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| % RESPONDING | 75.3 | BARTON | 50 | 137 | 4.380 | 1.200 | 0.188 | 600 | 164 | 26 | 190 | 62.0 | 36.0 | 0.0 | 2.0 |
| % ACTIVE | 45.7 | FORD | 2 | 5 | 1.000 | 1.500 | 0.000 | 5 | 8 | 8 | 50.0 | 50.0 | 0.0 | 0.0 | 0.0 |
| MEADE | 2 | | 5 | 3.000 | 1.500 | 0.000 | 15 | 8 | 8 | 50.0 | 50.0 | 0.0 | 0.0 | 0.0 | |
| MITCHELL | 1 | | 3 | 2.000 | 0.000 | 0.000 | 6 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| PAWNEE | 1 | | 3 | 1.000 | 0.000 | 0.000 | 3 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| RICE | 3 | | 8 | 1.333 | 0.667 | 0.000 | 11 | 5 | 5 | 66.7 | 33.3 | 0.0 | 0.0 | 0.0 | |
| ROOKS | 1 | | 3 | 3.000 | 0.000 | 0.000 | 9 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| RUSH | 2 | | 5 | 5.000 | 0.000 | 0.000 | 25 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| RUSSELL | 1 | | 3 | 7.000 | 0.000 | 0.000 | 21 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| STAFFORD | 63 | | 172 | 3.746 | 2.286 | 0.100 | 644 | 393 | 17 | 410 | 42.9 | 47.6 | 3.2 | 6.3 | |
| WICHITA | 1 | | 3 | 1.000 | 0.000 | 0.000 | 3 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| STATE TOTALS | 197 | | 539 | 4.115 | 1.588 | 0.109 | 2,218 | 856 | 59 | 915 | 57.9 | 37.1 | 1.5 | 3.6 | |

TABLE 2C. SANDHILL CRANE HARVEST AND HUNTER ACTIVITY IN MONTANA DURING THE 2004-05 HUNTING SEASON.

| GENERAL INFORMATION | COUNTY OF HARVEST | ACTIVE HUNTERS | | ACTIVE HUNTER MEANS | | EXPANDED ESTIMATES | | ACTIVE HUNTER DISTRIBUTION BY SEASONAL BAG SIZE | | | | | | | |
|---------------------|-------------------|-----------------|------------|---------------------|-----------|--------------------|--------------|---|------|------|-------|-------|------|-----|-----|
| | | RESPONDING -ING | EXPAND -ED | DAY AFIELD | CRANE BAG | CRANE LOSS | HUNTER -DAYS | CRANE BAG | LOSS | KILL | 0 | 1-3 | 4-9 | 10+ | |
| # OF PERMITS | 308 | UNKNOWN | 24 | 28 | 4.250 | 0.375 | 0.043 | 119 | 11 | 1 | 12 | 87.5 | 12.5 | 0.0 | 0.0 |
| # CONTACTED | 290 | BIG HORN | 1 | 1 | 1.000 | 0.000 | 0.000 | 1 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| # RESPONDING | 260 | CUSTER | 4 | 5 | 2.250 | 0.000 | 0.000 | 11 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| % RESPONDING | 89.7 | DAWSON | 1 | 1 | 1.000 | 0.000 | 0.000 | 1 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| % ACTIVE | 31.2 | FALLON | 1 | 1 | 2.000 | 0.000 | 0.000 | 2 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| FERGUS | | | | | | | | 1 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GARFIELD | | | | | | | | 18 | 1 | 1 | 75.0 | 25.0 | 0.0 | 0.0 | 0.0 |
| JUDITH BASIN | | | | | | | | 5 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| MCCONE | | | | | | | | 1 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| MUSSELSHELL | | | | | | | | 2 | 1 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PHILLIPS | | | | | | | | 51 | 7 | 7 | 94.1 | 5.9 | 0.0 | 0.0 | 0.0 |
| POWDER RIVER | | | | | | | | 2 | 2 | 2 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 |
| POWELL | | | | | | | | 2 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PRairie | | | | | | | | 7 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROOSEVELT | | | | | | | | 2 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SHERIDAN | | | | | | | | 67 | 23 | 23 | 69.2 | 23.1 | 0.0 | 7.7 | 0.0 |
| VALLEY | | | | | | | | 2 | 2 | 2 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 |
| WHEATLAND | | | | | | | | 5 | 1 | 1 | 66.7 | 33.3 | 0.0 | 0.0 | 0.0 |
| WEAUX | | | | | | | | 2 | 4 | 4 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 |
| YELLOWSTONE | | | | | | | | 2 | 2 | 2 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 |
| STATE TOTALS | 81 | 93 | 3.250 | 0.595 | 0.012 | 303 | 54 | 1 | 55 | 81.5 | 17.3 | 0.0 | 1.2 | | |

TABLE 2D. SANDHILL CRANE HARVEST AND HUNTER ACTIVITY IN NEW MEXICO DURING THE 2004-05 HUNTING SEASON.

| GENERAL INFORMATION | COUNTY OF HARVEST | ACTIVE HUNTERS | | ACTIVE HUNTER MEANS | | EXPANDED ESTIMATES | | ACTIVE HUNTER DISTRIBUTION BY SEASONAL BAG SIZE | | | | | | | |
|---------------------|-------------------|-----------------|------------|---------------------|-----------|--------------------|--------------|---|------|------|-------|-------|------|------|-----|
| | | RESPONDING -ING | EXPAND -ED | DAY AFIELD | CRANE BAG | CRANE LOSS | HUNTER -DAYS | CRANE BAG | LOSS | KILL | 0 | 1-3 | 4-9 | 10+ | |
| # OF PERMITS | 548 | UNKNOWN | 22 | 73 | 3.545 | 0.864 | 0.050 | 259 | 63 | 4 | 67 | 63.6 | 36.4 | 0.0 | 0.0 |
| # CONTACTED | 247 | BERNALILLO | 1 | 3 | 1.000 | 0.000 | 0.000 | 3 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| # RESPONDING | 165 | CHAVES | 38 | 126 | 3.553 | 1.447 | 0.270 | 448 | 182 | 34 | 216 | 52.6 | 42.1 | 2.6 | 2.6 |
| % RESPONDING | 66.8 | EDDY | 5 | 17 | 2.400 | 1.800 | 0.000 | 41 | 31 | 31 | 40.0 | 60.0 | 0.0 | 0.0 | 0.0 |
| % ACTIVE | 46.1 | QUAY | 1 | 3 | 5.000 | 0.000 | 0.000 | 15 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ROOSEVELT | | | | | | | | 47 | 57 | 57 | 16.7 | 66.7 | 0.0 | 16.7 | 0.0 |
| TORRANCE | | | | | | | | 14 | 11 | 4 | 15 | 50.0 | 50.0 | 0.0 | 0.0 |
| VALENCIA | | | | | | | | 2 | 6 | 6 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 |
| STATE TOTALS | 76 | 252 | 3.306 | 1.389 | 0.167 | 833 | 350 | 42 | 392 | 52.6 | 43.4 | 1.3 | 2.6 | | |

TABLE 2E. SANDHILL CRANE HARVEST AND HUNTER ACTIVITY IN NORTH DAKOTA DURING THE 2004-05 HUNTING SEASON.

| GENERAL INFORMATION | COUNTY OF HARVEST | ACTIVE HUNTERS | | | ACTIVE HUNTER MEANS | | | EXPANDED ESTIMATES | | | ACTIVE HUNTER DISTRIBUTION BY SEASONAL BAG SIZE | | | | |
|---------------------|-------------------|-------------------|--------------|------------|---------------------|-----------|------------|--------------------|------------|-------------|---|------|-------|------|-----|
| | | # RESPONDING -ING | RESPONDING % | EXPAND -ED | DAYS AFIELD | CRANE BAG | CRANE LOSS | HUNTER -DAYS | CRANE LOSS | HUNTER KILL | 0 1-3 4-9 10+ | | | | |
| | | | | | | | | | | | | | | | |
| # OF PERMITS | 5,788 | UNKNOWN | 207 | 1,025 | 4,121 | 1,159 | 0.117 | 4,224 | 1,189 | 120 | 1,309 | 70.0 | 25.1 | 14 | 3.4 |
| # CONTACTED | 1,429 | BENSON | 13 | 64 | 3,308 | 1,231 | 0.154 | 212 | .79 | 10 | 89 | 53.8 | 46.2 | 0.0 | 0.0 |
| # RESPONDING | 1,169 | BOTTINEAU | 18 | 89 | 2,444 | 1,944 | 0.188 | 218 | 173 | 17 | 190 | 38.9 | 61.1 | 0.0 | 0.0 |
| % RESPONDING | 81.8 | BURKE | 6 | 30 | 3,333 | 0.667 | 0.000 | 100 | 20 | 20 | 66.7 | 33.3 | 0.0 | 0.0 | 0.0 |
| % ACTIVE | 43.0 | BURLEIGH | 10 | 50 | 2,900 | 1,900 | 0.100 | 145 | 95 | 5 | 100 | 40.0 | 60.0 | 0.0 | 0.0 |
| | | CAVALIER | 1 | 5 | 6,000 | 0.000 | 0.000 | 30 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | DIVIDE | 6 | 30 | 3,333 | 0.000 | 0.000 | 100 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | EDDY | 5 | 25 | 4,200 | 3,400 | 0.400 | 105 | 85 | 10 | 95 | 20.0 | 60.0 | 20.0 | 0.0 |
| | | EMMONS | 6 | 30 | 4,833 | 0.833 | 0.333 | 145 | 25 | 10 | 35 | 83.3 | 16.7 | 0.0 | 0.0 |
| | | FOSTER | 1 | 5 | 3,000 | 6,000 | 1,000 | 15 | 30 | 5 | 35 | 0.0 | 100.0 | 0.0 | 0.0 |
| | | HETTINGER | 1 | 5 | 4,000 | 0.000 | 0.000 | 20 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | KIDDER | 56 | 277 | 4,214 | 2,571 | 0.315 | 1,167 | 712 | 87 | 799 | 37.5 | 51.8 | 7.1 | 3.6 |
| | | LA MOURE | 1 | 5 | 2,000 | 0.000 | 0.000 | 10 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | LOGAN | 11 | 54 | 2,818 | 0.273 | 0.000 | 152 | 15 | 15 | 90.9 | 9.1 | 0.0 | 0.0 | 0.0 |
| | | MC HENRY | 8 | 40 | 2,375 | 1,375 | 0.000 | 95 | 55 | 55 | 50.0 | 37.5 | 12.5 | 0.0 | 0.0 |
| | | MC INTOSH | 2 | 10 | 6,500 | 0.000 | 0.000 | 65 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | MCLEAN | 17 | 84 | 3,647 | 3,059 | 0.400 | 306 | 257 | 34 | 291 | 41.2 | 41.2 | 11.8 | 5.9 |
| | | MORTON | 1 | 5 | 1,000 | 0.000 | 0.000 | 5 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | MOUNTAIN | 11 | 54 | 3,182 | 3,091 | 0.500 | 172 | 167 | 27 | 194 | 9.1 | 81.8 | 0.0 | 9.1 |
| | | PIERCE | 8 | 40 | 5,250 | 1,250 | 0.125 | 210 | 50 | 5 | 55 | 37.5 | 62.5 | 0.0 | 0.0 |
| | | RAMSEY | 12 | 59 | 3,583 | 1,083 | 0.083 | 211 | 64 | 5 | 69 | 66.7 | 33.3 | 0.0 | 0.0 |
| | | RENVILLE | 1 | 5 | 3,000 | 0.000 | 2,000 | 15 | 10 | 10 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | ROLETTE | 2 | 10 | 1,500 | 2,000 | 0.000 | 15 | 20 | 20 | 50.0 | 50.0 | 0.0 | 0.0 | 0.0 |
| | | SHERIDAN | 39 | 193 | 3,846 | 2,744 | 0.211 | 742 | 530 | 41 | 571 | 41.0 | 51.3 | 2.6 | 5.1 |
| | | STEELE | 2 | 10 | 6,500 | 6,500 | 0.000 | 65 | 65 | 65 | 50.0 | 0.0 | 0.0 | 50.0 | 0.0 |
| | | STUTSMAN | 19 | 94 | 3,632 | 0.684 | 0.105 | 341 | 64 | 10 | 74 | 68.4 | 31.6 | 0.0 | 0.0 |
| | | TOWNER | 5 | 25 | 2,200 | 0.600 | 0.000 | 55 | 15 | 15 | 60.0 | 40.0 | 0.0 | 0.0 | 0.0 |
| | | WARD | 16 | 79 | 4,000 | 1,375 | 0.125 | 316 | 109 | 10 | 119 | 56.3 | 37.5 | 0.0 | 6.3 |
| | | WELLS | 18 | 89 | 4,333 | 1,667 | 0.000 | 386 | 148 | 148 | 66.7 | 22.2 | 5.6 | 5.6 | 3.2 |
| STATE TOTALS | 503 | 2,491 | 3.871 | 1.593 | 0.163 | 9,642 | 3,967 | 4,064 | 3,373 | 58.6 | 35.6 | 2.6 | | | |

TABLE 2F. SANDHILL CRANE HARVEST AND HUNTER ACTIVITY IN OKLAHOMA DURING THE 2004-05 HUNTING SEASON.

| GENERAL INFORMATION | COUNTY OF HARVEST | ACTIVE HUNTERS | | | ACTIVE HUNTER MEANS | | | EXPANDED ESTIMATES | | | ACTIVE HUNTER DISTRIBUTION | | | | | | |
|---------------------|-------------------|----------------|-------|---------|---------------------|-------|------------|--------------------|------------|-----|----------------------------|-------|-------|------|------|-----|-----|
| | | RESPONDING | | -ED | DAYS AFIELD | BAG | CRANE LOSS | HUNTER -DAYS | CRANE LOSS | BAG | KILL | 0 | 1-3 | 4-9 | 10+ | | |
| | | # OF PERMITS | 780 | UNKNOWN | 40 | 96 | 3,400 | 1,325 | 0.139 | 326 | 127 | 13 | 140 | 52.5 | 42.5 | 5.0 | 0.0 |
| # CONTACTED | 454 | ALFALFA | 14 | 33 | 2,286 | 1,214 | 0.000 | 75 | 40 | 40 | 64.3 | 35.7 | 0.0 | 0.0 | 0.0 | 0.0 | |
| # RESPONDING | 326 | BEAVER | 1 | 2 | 2,000 | 1,000 | 0.000 | 4 | 2 | 2 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| % RESPONDING | 71.8 | CADDY | 1 | 2 | 3,000 | 0.000 | 0.000 | 6 | | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| % ACTIVE | 34.4 | CLEVELAND | 1 | 2 | 8,000 | 0.000 | 0.000 | 16 | | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| COAL | 1 | 2 | 2,000 | 0.000 | 0.000 | 4 | | 4 | | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| COMANCHE | 3 | 7 | 1,000 | 0.667 | 0.000 | 7 | | 5 | | 5 | 66.7 | 33.3 | 0.0 | 0.0 | 0.0 | 0.0 | |
| COTTON | 1 | 2 | 1,000 | 2.000 | 0.000 | 2 | | 4 | | 4 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| CUSTER | 8 | 19 | 2,750 | 0.000 | 0.000 | 52 | | | | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| ELLIS | 1 | 2 | 1,000 | 0.000 | 0.000 | 2 | | | | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| GARFIELD | 2 | 5 | 1,500 | 0.000 | 0.000 | 8 | | | | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| GRANT | 4 | 10 | 2,250 | 1.750 | 0.250 | 23 | | 18 | | 3 | 21 | 25.0 | 75.0 | 0.0 | 0.0 | 0.0 | |
| GREER | 2 | 5 | 2,000 | 0.000 | 0.000 | 10 | | | | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| HARPER | 1 | 2 | 4,000 | 8.000 | 0.000 | 8 | | 16 | | 16 | 0.0 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | |
| KIOWA | 2 | 5 | 2,000 | 1,500 | 0.500 | 10 | | 8 | | 3 | 11 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | |
| MAJOR | 3 | 7 | 2,000 | 1,000 | 0.000 | 14 | | 7 | | 7 | 66.7 | 33.3 | 0.0 | 0.0 | 0.0 | 0.0 | |
| ROGER MILLS | 1 | 2 | 4,000 | 0.000 | 0.000 | 8 | | | | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| STEPHENSONS | 2 | 5 | 2,000 | 0.000 | 0.000 | 10 | | | | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| TEXAS | 8 | 19 | 4,375 | 5,625 | 0.750 | 83 | | 107 | | 14 | 123 | 25.0 | 37.5 | 12.5 | 25.0 | 0.0 | 0.0 |
| TILLMAN | 13 | 31 | 2,385 | 3,462 | 0.417 | 74 | | 107 | | 13 | 120 | 23.1 | 69.2 | 7.7 | 0.0 | 0.0 | 0.0 |
| WASHITA | 3 | 7 | 1,667 | 0.000 | 0.000 | 12 | | | | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| STATE TOTALS | 112 | 265 | 2,845 | 1,664 | 0.174 | 754 | | 441 | | 46 | 487 | 55.4 | 38.4 | 4.5 | 1.8 | | |

TABLE 2G. SANDHILL CRANE HARVEST AND HUNTER ACTIVITY IN TEXAS DURING THE 2004-05 HUNTING SEASON.

| GENERAL INFORMATION | COUNTY OF HARVEST | # OF PERMITS # CONTACTED # RESPONDING % RESPONDING % ACTIVE ADJ. % ACTIVE | ACTIVE HUNTERS | | | ACTIVE HUNTER MEANS | | | EXPANDED ESTIMATES | | | ACTIVE HUNTER DISTRIBUTION BY SEASONAL BAG SIZE | | |
|---------------------|-------------------|--|-----------------|---------------|--------|-----------------------|--------------|-----------------|--------------------|----------------|---------------|---|------------------------|--|
| | | | RESPOND -ING | EXPAND -ED | AFIELD | DAYS CRANE LOSS | CRANE BAG | HUNTER -DAYS | CRANE LOSS | HUNTER KILL | CRANE LOSS | HUNTER KILL | 0 1-3 4-9 10+ | |
| | | | | | | | | | | | | | | |
| UNKNOWN | 138 | 1,859 | 4,014 | 1,239 | 0,117 | 7,464 | 2,304 | 219 | 2,523 | 59,4 | 36,2 | 2,2 | 2,2 | |
| AUSTIN | 1 | 13 | 3,000 | 2,000 | 0,000 | 39 | 26 | 22 | 0,0 | 100,0 | 0,0 | 0,0 | 0,0 | |
| BAILEY | 9 | 121 | 5,444 | 7,889 | 0,444 | 659 | 955 | 54 | 1,009 | 33,3 | 44,4 | 0,0 | 22,2 | |
| BAYLOR | 1 | 13 | 1,000 | 1,000 | 0,000 | 13 | 13 | 13 | 0,0 | 100,0 | 0,0 | 0,0 | 0,0 | |
| BORDEN | 1 | 13 | 1,000 | 2,000 | 0,000 | 13 | 26 | 26 | 0,0 | 100,0 | 0,0 | 0,0 | 0,0 | |
| BRAZORIA | 8 | 108 | 3,125 | 1,875 | 0,000 | 338 | 203 | 203 | 50,0 | 37,5 | 0,0 | 12,5 | | |
| BRAZOS | 1 | 13 | 7,000 | 2,000 | 0,000 | 91 | 26 | 26 | 0,0 | 100,0 | 0,0 | 0,0 | 0,0 | |
| BRISCOE | 4 | 54 | 1,250 | 1,250 | 0,000 | 68 | 68 | 68 | 50,0 | 50,0 | 0,0 | 0,0 | | |
| CALHOUN | 1 | 13 | 30,000 | 0,000 | 0,000 | 390 | 0 | 0 | 100,0 | 0,0 | 0,0 | 0,0 | | |
| CAMERON | 1 | 13 | 2,000 | 2,000 | 0,000 | 26 | 26 | 26 | 0,0 | 100,0 | 0,0 | 0,0 | 0,0 | |
| CARSON | 3 | 40 | 1,333 | 2,000 | 0,000 | 53 | 80 | 80 | 33,3 | 66,7 | 0,0 | 0,0 | | |
| CASTRO | 5 | 67 | 1,000 | 1,000 | 0,000 | 67 | 67 | 67 | 20,0 | 80,0 | 0,0 | 0,0 | | |
| CHILDRESS | 1 | 13 | 3,000 | 5,000 | 0,000 | 39 | 65 | 65 | 0,0 | 100,0 | 0,0 | 0,0 | 0,0 | |
| CLAY | 1 | 13 | 4,000 | 0,000 | 0,000 | 52 | 0 | 0 | 100,0 | 0,0 | 0,0 | 0,0 | | |
| COLLIN | 1 | 13 | 2,000 | 0,000 | 0,000 | 26 | 0 | 0 | 100,0 | 0,0 | 0,0 | 0,0 | | |
| COLORADO | 16 | 215 | 2,250 | 0,750 | 0,000 | 484 | 161 | 161 | 68,8 | 31,3 | 0,0 | 0,0 | | |
| CONICHO | 1 | 13 | 2,000 | 1,000 | 0,000 | 26 | 13 | 13 | 0,0 | 100,0 | 0,0 | 0,0 | 0,0 | |
| COTTLE | 1 | 13 | 2,000 | 0,000 | 0,000 | 26 | 0 | 0 | 100,0 | 0,0 | 0,0 | 0,0 | | |
| CROSBY | 2 | 27 | 2,000 | 1,500 | 1,000 | 54 | 41 | 27 | 68 | 0,0 | 100,0 | 0,0 | 0,0 | |
| DALLAM | 1 | 13 | 2,000 | 6,000 | 0,000 | 26 | 78 | 78 | 0,0 | 100,0 | 0,0 | 0,0 | 0,0 | |
| DAWSON | 4 | 54 | 2,000 | 3,500 | 0,000 | 108 | 189 | 189 | 0,0 | 100,0 | 0,0 | 0,0 | 0,0 | |
| DEAF SMITH | 1 | 13 | 5,000 | 12,000 | 1,000 | 65 | 156 | 13 | 169 | 0,0 | 0,0 | 0,0 | 100,0 | |
| DE WITT | 1 | 13 | 1,000 | 0,000 | 0,000 | 13 | 0 | 0 | 100,0 | 0,0 | 0,0 | 0,0 | | |
| DIMMIT | 3 | 40 | 3,333 | 0,000 | 0,000 | 133 | 0 | 0 | 100,0 | 0,0 | 0,0 | 0,0 | | |
| FLOYD | 9 | 121 | 1,889 | 1,556 | 0,125 | 229 | 188 | 15 | 203 | 0,0 | 100,0 | 0,0 | | |
| FORT BEND | 3 | 40 | 2,333 | 0,000 | 0,000 | 93 | 0 | 0 | 100,0 | 0,0 | 0,0 | 0,0 | | |
| Frio | 1 | 13 | 1,000 | 0,000 | 0,000 | 13 | 0 | 0 | 100,0 | 0,0 | 0,0 | 0,0 | | |
| GALVESTON | 2 | 27 | 6,000 | 3,500 | 1,000 | 162 | 95 | 27 | 122 | 50,0 | 0,0 | 50,0 | 0,0 | |
| GOLIAD | 1 | 13 | 3,000 | 1,000 | 0,000 | 39 | 13 | 13 | 0,0 | 100,0 | 0,0 | 0,0 | 0,0 | |
| GONZALES | 1 | 13 | 1,000 | 1,000 | 0,000 | 13 | 13 | 13 | 0,0 | 100,0 | 0,0 | 0,0 | 0,0 | |
| HALE | 3 | 40 | 4,333 | 5,000 | 0,000 | 173 | 200 | 200 | 200 | 66,7 | 0,0 | 0,0 | 33,3 | |
| HANSFORD | 4 | 54 | 3,750 | 6,000 | 0,750 | 203 | 324 | 41 | 365 | 0,0 | 75,0 | 0,0 | 25,0 | |
| HARDERMAN | 1 | 13 | 1,000 | 3,000 | 3,000 | 13 | 39 | 39 | 78 | 0,0 | 100,0 | 0,0 | 0,0 | |
| HARRIS | 2 | 27 | 9,500 | 0,500 | 1,500 | 257 | 14 | 41 | 55 | 50,0 | 0,0 | 0,0 | 0,0 | |
| HARTLEY | 1 | 13 | 3,000 | 3,000 | 0,000 | 39 | 39 | 39 | 0,0 | 100,0 | 0,0 | 0,0 | 0,0 | |
| HASKELL | 3 | 40 | 1,667 | 0,333 | 0,000 | 67 | 13 | 13 | 66,7 | 33,3 | 0,0 | 0,0 | | |
| HOCKLEY | 2 | 27 | 1,000 | 0,000 | 0,000 | 27 | 0 | 0 | 100,0 | 0,0 | 0,0 | 0,0 | | |
| HOUSTON | 1 | 13 | 3,000 | 0,000 | 0,000 | 39 | 0 | 0 | 100,0 | 0,0 | 0,0 | 0,0 | | |
| HOWARD | 5 | 67 | 2,000 | 4,400 | 0,000 | 134 | 295 | 295 | 20,0 | 60,0 | 0,0 | 20,0 | | |
| HUDSPETH | 2 | 27 | 1,000 | 0,000 | 0,000 | 27 | 0 | 0 | 100,0 | 0,0 | 0,0 | 0,0 | | |
| HUTCHINSON | 1 | 13 | 3,000 | 0,000 | 0,000 | 39 | 0 | 0 | 100,0 | 0,0 | 0,0 | 0,0 | | |

TABLE 2G. SANDHILL CRANE HARVEST AND HUNTER ACTIVITY IN TEXAS DURING THE 2004-05 HUNTING SEASON - continued.

| GENERAL INFORMATION | COUNTY OF HARVEST | ACTIVE HUNTERS | | ACTIVE HUNTER MEANS | | | EXPANDED ESTIMATES | | | ACTIVE HUNTER DISTRIBUTION | | | |
|---------------------|-------------------|----------------|-----------|---------------------|-----------|------------|--------------------|-----------|------------|----------------------------|----------------------|-----|------|
| | | RESPONDING | EXPAND-ED | DAYS AFIELD | CRANE BAG | CRANE LOSS | HUNTER -DAYS | CRANE BAG | CRANE LOSS | HUNTER KILL | BY SEASONAL BAG SIZE | | |
| | | | | | | | | | | | 0 | 1-3 | 4-9 |
| JACKSON | 5 | 67 | 3,200 | 1,800 | 0.000 | 214 | 121 | 121 | 40.0 | 60.0 | 0.0 | 0.0 | 0.0 |
| JIM WELLS | 1 | 13 | 2,000 | 4,000 | 0.000 | 26 | 52 | 52 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 |
| JONES | 1 | 13 | 3,000 | 0.000 | 0.000 | 39 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KANES | 2 | 27 | 3,000 | 0.500 | 0.000 | 81 | 14 | 14 | 50.0 | 50.0 | 0.0 | 0.0 | 0.0 |
| KAUFMAN | 1 | 13 | 1,000 | 0.000 | 0.000 | 13 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KENEDY | 1 | 13 | 3,000 | 0.000 | 0.000 | 39 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| KING | 1 | 13 | 1,000 | 1,000 | 0.000 | 13 | 13 | 13 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 |
| KLEBERG | 6 | 81 | 2,333 | 0.667 | 0.000 | 189 | 54 | 54 | 50.0 | 50.0 | 0.0 | 0.0 | 0.0 |
| KNOX | 2 | 27 | 1,500 | 0.000 | 0.000 | 41 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| LAMB | 3 | 40 | 2,000 | 5,333 | 0.000 | 80 | 213 | 213 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 |
| LAVACA | 2 | 27 | 6,500 | 0.500 | 0.000 | 176 | 14 | 14 | 50.0 | 50.0 | 0.0 | 0.0 | 0.0 |
| LIVE OAK | 6 | 81 | 3,667 | 0.500 | 0.333 | 297 | 41 | 27 | 68 | 66.7 | 33.3 | 0.0 | 0.0 |
| LUBBOCK | 12 | 162 | 1,833 | 2,083 | 0.000 | 297 | 338 | 338 | 41.7 | 50.0 | 8.3 | 0.0 | 0.0 |
| LYNN | 1 | 13 | 3,000 | 1,000 | 0.000 | 39 | 13 | 13 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 |
| MC CULLOCH | 1 | 13 | 4,000 | 0.000 | 0.000 | 52 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| MC LENNAN | 1 | 13 | 2,000 | 1,000 | 0.000 | 26 | 13 | 13 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 |
| MARTIN | 4 | 54 | 1,750 | 3,000 | 0.000 | 95 | 162 | 162 | 50.0 | 50.0 | 0.0 | 0.0 | 0.0 |
| MATAGORDA | 18 | 242 | 3,278 | 2,000 | 0.200 | 793 | 484 | 49 | 533 | 44.4 | 50.0 | 0.0 | 5.6 |
| MITCHELL | 1 | 13 | 5,000 | 3,000 | 1,000 | 65 | 39 | 13 | 52 | 0.0 | 100.0 | 0.0 | 0.0 |
| MOORE | 2 | 27 | 1,500 | 2,500 | 0.000 | 41 | 68 | 68 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 |
| NOLAN | 1 | 13 | 15,000 | 0.000 | 0.000 | 195 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NUECES | 1 | 13 | 1,000 | 1,000 | 0.000 | 13 | 13 | 13 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 |
| OCHILTREE | 3 | 40 | 4,667 | 6,667 | 1,333 | 187 | 267 | 53 | 320 | 0.0 | 66.7 | 0.0 | 33.3 |
| PARMER | 1 | 13 | 1,000 | 3,000 | 0.000 | 13 | 39 | 39 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 |
| POTTER | 1 | 13 | 2,000 | 6,000 | 0.000 | 26 | 78 | 78 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 |
| SAN PATRICIO | 1 | 13 | 2,000 | 0.000 | 0.000 | 26 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SWEETWATER | 1 | 13 | 1,000 | 0.000 | 0.000 | 13 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TAYLOR | 1 | 13 | 2,000 | 6,000 | 0.000 | 26 | 78 | 78 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 |
| TERRY | 5 | 67 | 1,800 | 1,400 | 0.200 | 121 | 94 | 13 | 107 | 20.0 | 80.0 | 0.0 | 0.0 |
| THROCKMORTON | 1 | 13 | 1,000 | 0.000 | 0.000 | 13 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| UVALDE | 2 | 27 | 1,000 | 2,000 | 0.000 | 27 | 54 | 54 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 |
| WICHITA | 1 | 13 | 3,000 | 6,000 | 0.000 | 39 | 78 | 78 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 |
| WALLER | 3 | 40 | 2,333 | 1,000 | 0.000 | 93 | 40 | 40 | 66.7 | 33.3 | 0.0 | 0.0 | 0.0 |
| WHARTON | 34 | 458 | 2,059 | 1,147 | 0.091 | 943 | 526 | 42 | 568 | 47.1 | 50.0 | 0.0 | 2.9 |
| WHEELER | 1 | 13 | 1,000 | 5,000 | 0.000 | 13 | 65 | 65 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 |
| WILLACY | 1 | 13 | 5,000 | 0.000 | 0.000 | 65 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| WILLIAMSON | 1 | 13 | 1,000 | 0.000 | 0.000 | 13 | 0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| WISE | 1 | 13 | 2,000 | 0.000 | 1,000 | 26 | 13 | 13 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| YOUNG | 2 | 27 | 2,500 | 0.500 | 0.000 | 68 | 14 | 14 | 50.0 | 50.0 | 0.0 | 0.0 | 0.0 |
| STATE TOTALS | 382 | 5,121 | 3,200 | 1,702 | 0.134 | 16,389 | 8,715 | 686 | 9,401 | 49.5 | 45.8 | 1.3 | 3.4 |

TABLE 2H. SANDHILL CRANE HARVEST AND HUNTER ACTIVITY IN SOUTH DAKOTA DURING THE 2004-05 HUNTING SEASON.

| GENERAL INFORMATION | COUNTY OF HARVEST | ACTIVE HUNTERS | | | ACTIVE HUNTER MEANS | | | EXPANDED ESTIMATES | | | ACTIVE HUNTER DISTRIBUTION BY SEASONAL BAG SIZE | | |
|---------------------|-------------------|-------------------|-------------|-------------|---------------------|------------|--------------|--------------------|-----|-------|---|-------|-------------------|
| | | # RESPONDING -ING | RESPOND -ED | DAYS AFIELD | CRANE LOSS | CRANE LOSS | HUNTER -DAYS | CRANE | | BAG | LOSS | KILL | 0 1-3 4-9 10+ |
| | | | | | | | | CRANE | BAG | | | | |
| # OF PERMITS | 307 | UNKNOWN | | 23 | 4.217 | 0.478 | 0.261 | 114 | 13 | 7 | 20 | 78.3 | 21.7 0.0 0.0 0.0 |
| # CONTACTED | 300 | BROWN | 1 | 10.000 | 0.000 | 0.000 | 10 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 0.0 0.0 0.0 |
| # RESPONDING | 260 | BRULE | 4 | 5 | 4.000 | 1.000 | 0.000 | 20 | 5 | 5 | 25.0 | 75.0 | 0.0 0.0 0.0 0.0 |
| % RESPONDING | 86.7 | BUTTE | 1 | 1 | 3.000 | 4.000 | 0.000 | 3 | 4 | 4 | 0.0 | 100.0 | 0.0 0.0 0.0 0.0 |
| % ACTIVE | 26.2 | CAMPBELL | 3 | 4 | 3.333 | 1.000 | 0.000 | 13 | 4 | 4 | 33.3 | 66.7 | 0.0 0.0 0.0 0.0 |
| CHARLES MIX | | | | | | | | | | | | | |
| EDMONDS | 6 | 7 | 1.667 | 0.333 | 0.167 | | | 12 | 2 | 1 | 3 | 83.3 | 16.7 0.0 0.0 0.0 |
| FAULK | 2 | 2 | 2.500 | 0.500 | 0.500 | | | 5 | 1 | 1 | 2 | 50.0 | 50.0 0.0 0.0 0.0 |
| HAND | 2 | 2 | 3.000 | 0.000 | 0.000 | | | 6 | | 0 | 100.0 | 0.0 | 0.0 0.0 0.0 0.0 |
| HUGHES | 2 | 2 | 4.000 | 0.000 | 0.000 | | | 8 | | 0 | 100.0 | 0.0 | 0.0 0.0 0.0 0.0 |
| HYDE | 1 | 1 | 1.000 | 1.000 | 0.000 | | | 1 | 1 | 1 | 0.0 | 100.0 | 0.0 0.0 0.0 0.0 |
| JONES | 1 | 1 | 16.000 | 11.000 | 5.000 | | | 16 | 11 | 5 | 16 | 0.0 | 0.0 0.0 100.0 0.0 |
| MC PHERSON | 6 | 7 | 2.000 | 1.333 | 0.167 | | | 14 | 9 | 1 | 10 | 50.0 | 50.0 0.0 0.0 0.0 |
| PERKINS | 1 | 1 | 2.000 | 0.000 | 0.000 | | | 2 | | 0 | 100.0 | 0.0 | 0.0 0.0 0.0 0.0 |
| POTTER | 5 | 6 | 3.000 | 2.800 | 0.400 | | | 18 | 17 | 2 | 19 | 20.0 | 60.0 20.0 0.0 0.0 |
| SPINK | 3 | 4 | 3.000 | 0.000 | 0.000 | | | 12 | | 0 | 100.0 | 0.0 | 0.0 0.0 0.0 0.0 |
| STANLEY | 1 | 1 | 1.000 | 0.000 | 0.000 | | | 1 | | 0 | 100.0 | 0.0 | 0.0 0.0 0.0 0.0 |
| SULLY | 4 | 5 | 2.000 | 0.000 | 0.000 | | | 10 | | 0 | 100.0 | 0.0 | 0.0 0.0 0.0 0.0 |
| WALWORTH | 1 | 1 | 3.000 | 0.000 | 0.000 | | | 3 | | 0 | 100.0 | 0.0 | 0.0 0.0 0.0 0.0 |
| STATE TOTALS | 68 | 79 | 3.443 | 0.848 | 0.215 | | | 272 | 67 | 17 | 84 | | |

TABLE 21. SANDHILL CRANE HARVEST AND HUNTER ACTIVITY IN WYOMING DURING THE 2004-05 HUNTING SEASON.

| GENERAL INFORMATION | COUNTY OF HARVEST | ACTIVE HUNTERS | | | ACTIVE HUNTER MEANS | | | EXPANDED ESTIMATES | | | ACTIVE HUNTER DISTRIBUTION BY SEASONAL BAG SIZE | | |
|---------------------|-------------------|-------------------|-------------|-------------|---------------------|------------|--------------|--------------------|-----|-----|---|------------------|------------------|
| | | # RESPONDING -ING | RESPOND -ED | DAYS AFIELD | CRANE LOSS | CRANE LOSS | HUNTER -DAYS | CRANE | | BAG | LOSS | KILL | 0 1-3 4-9 10+ |
| | | | | | | | | CRANE | BAG | | | | |
| # OF PERMITS | 61 | UNKNOWN | | 6 | 8 | 2.667 | 0.333 | 0.000 | 21 | 3 | 3 | 66.7 | 33.3 0.0 0.0 0.0 |
| # CONTACTED | 61 | CAMPBELL | 1 | 1 | 4.000 | 0.000 | 0.000 | 4 | | 0 | 100.0 | 0.0 | 0.0 0.0 0.0 0.0 |
| # RESPONDING | 48 | GOSHEN | 4 | 5 | 1.000 | 0.250 | 0.000 | 5 | 1 | 1 | 75.0 | 25.0 0.0 0.0 0.0 | |
| % RESPONDING | 78.7 | PLATTE | 1 | 1 | 2.000 | 0.000 | 0.000 | 2 | | 0 | 100.0 | 0.0 | 0.0 0.0 0.0 0.0 |
| % ACTIVE | 27.1 | SWEETWATER | 1 | 1 | 2.000 | 0.000 | 0.000 | 2 | | 0 | 100.0 | 0.0 | 0.0 0.0 0.0 0.0 |
| STATE TOTAL | 13 | 16 | 2.125 | 0.250 | 0.000 | | | 34 | 4 | 0 | 4 | 76.9 | 23.1 0.0 0.0 0.0 |

COMBINED TOTALS

1,476 9,171 3,479 1,586 0.139 31,909 14,546 1,271 15,817 54.4 40.7 1.7 3.1

TOTAL PERMITS ISSUED = 66,917 NUMBER CONTACTED = 10,889 NUMBER RESPONDING = 7,593 (69.7%)

TABLE 3. SUMMARY OF SELECTED SANDHILL CRANE HUNTING ACTIVITY AND HARVEST DATA FOR THE CENTRAL FLYWAY BY SEASON SINCE 1975.

| Season | TOTAL PERMITS ISSUED | PERCENT HUNTING CRANES | NUMBER HUNTING CRANES | NUMBER OF DAYS HUNTED | NO. OF CRANES BAGGED* | BAG PER ACTIVE HUNTER | NO. OF CRANES LOST* |
|---------|----------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
| 1975-76 | 11,863 | 58.6 | 6,949 | 23,646 | 9,497 | 1.37 | 1,885 |
| 1976-77 | 11,352 | 44.9 | 5,092 | 18,780 | 7,393 | 1.45 | 1,384 |
| 1977-78 | 13,800 | 58.3 | 8,048 | 25,412 | 12,151 | 1.51 | 2,013 |
| 1978-79 | 13,659 | 56.2 | 7,683 | 22,992 | 10,146 | 1.32 | 1,860 |
| 1979-80 | 12,598 | 55.7 | 7,011 | 21,351 | 10,379 | 1.48 | 1,650 |
| 1980-81 | 13,413 | 53.4 | 7,164 | 21,951 | 10,152 | 1.42 | 1,737 |
| 1981-82 | 13,258 | 53.4 | 7,077 | 21,888 | 10,134 | 1.43 | 1,777 |
| 1982-83 | 12,370 | 41.8 | 5,172 | 14,559 | 7,916 | 1.53 | 1,397 |
| 1983-84 | 18,306 | 39.0 | 7,143 | 21,874 | 12,959 | 1.81 | 2,224 |
| 1984-85 | 17,420 | 39.2 | 6,821 | 20,281 | 11,271 | 1.65 | 1,889 |
| 1985-86 | 17,444 | 34.3 | 5,988 | 17,855 | 12,776 | 2.13 | 1,864 |
| 1986-87 | 19,298 | 30.3 | 5,840 | 15,959 | 12,487 | 2.14 | 1,867 |
| 1987-88 | 18,067 | 28.9 | 5,229 | 14,453 | 12,770 | 2.44 | 1,714 |
| 1988-89 | 16,368 | 32.0 | 5,232 | 14,169 | 12,772 | 2.44 | 1,628 |
| 1989-90 | 17,496 | 32.9 | 5,752 | 15,126 | 13,639 | 2.37 | 2,081 |
| 1990-91 | 22,720 | 33.6 | 7,631 | 20,423 | 18,041 | 2.36 | 2,519 |
| 1991-92 | 18,147 | 32.3 | 5,859 | 15,147 | 13,079 | 2.23 | 1,768 |
| 1992-93 | 17,127 | 30.9 | 5,284 | 14,833 | 12,433 | 2.35 | 1,459 |
| 1993-94 | 18,864 ** | 37.2 | 7,023 | 20,049 | 18,005 | 2.56 | 2,251 |
| 1994-95 | 19,412 | 36.8 | 7,141 | 20,392 | 16,201 | 2.27 | 1,676 |
| 1995-96 | 20,209 | 36.9 | 7,455 | 23,266 | 20,616 | 2.77 | 2,236 |
| 1996-97 | 21,330 | 34.5 | 7,354 | 22,291 | 17,111 | 2.33 | 2,011 |
| 1997-98 | 46,843 ** | 17.2 | 8,064 | 21,877 | 19,766 | 2.45 | 2,279 |
| 1998-99 | 47,734 | 17.1 | 8,173 | 24,242 | 19,831 | 2.43 | 2,143 |
| 1999-00 | 48,607 | 13.6 | 6,629 | 19,593 | 17,149 | 2.59 | 1,717 |
| 2000-01 | 61,311 | 11.3 | 6,950 | 19,112 | 15,504 | 2.23 | 1,430 |
| 2001-02 | 67,560 | 11.9 | 8,039 | 22,428 | 15,000 | 1.87 | 1,516 |
| 2002-03 | 55,384 | 15.1 | 8,358 | 27,931 | 15,008 | 1.80 | 1,351 |
| 2003-04 | 58,646 | 14.2 | 8,315 | 24,847 | 18,335 | 2.21 | 1,628 |
| 2004-05 | 66,917 | 13.7 | 9,171 | 31,909 | 14,546 | 1.59 | 1,271 |

* "Bagged" and "lost" refer to retrieved and unretrieved kill respectively.

** Kansas began hunting cranes in 1993; see text for explanation of increases since 1996.